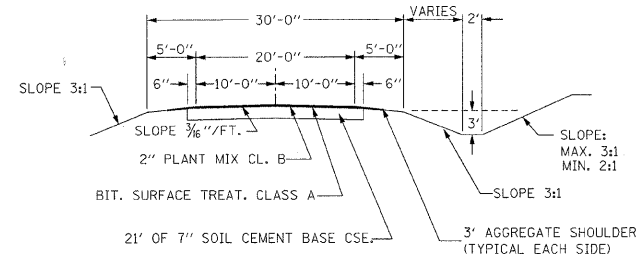
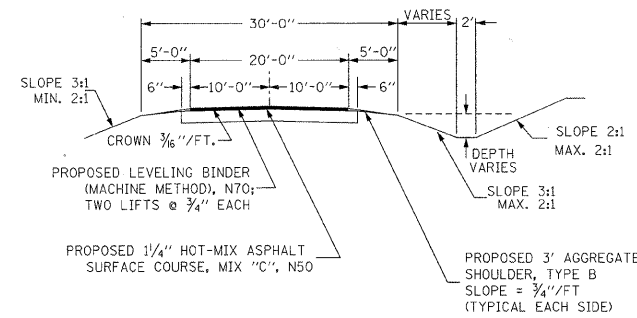


F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1884	06-00062-00-RS	EDWARDS	4	2
FEB. ROAD DIST. NO. 7		ILLINOIS	RED HILL RD SOUTH	
LEC JOB # H071004ED			CONTRACT # 95566	

**TYPICAL CROSS SECTION EXISTING**



**TYPICAL CROSS SECTION PROPOSED**



**GENERAL NOTES:**

THIS SECTION CONSISTS OF PAVEMENT REMOVAL AND REPLACEMENT SPECIAL, LEVELING BINDER (MACHINE METHOD), N70, AND HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, AGGREGATE SHOULDERS, AND OTHER MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE PROJECT, ALL IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007.

THE EXISTING GRADE, ALIGNMENT, DRAINAGE STRUCTURES, BASE AND SURFACE WERE CONSTRUCTED UNDER SECTIONS 28-1Q AND 28-26, 87-00044-00-RS AND SHALL REMAIN IN PLACE. ALL STATIONS REFERRED TO IN THE PLANS AND PROPOSAL ARE REFERENCED TO THE ABOVE MENTIONED SECTIONS.

MAXIMUM PERCENT OF GRADE	+5.60 %
MINIMUM STOPPING SIGHT DISTANCE	425 FT
DESIGN SPEED	50 MPH
CURRENT ADT	650 VPD
DESIGN ADT (20 YEAR)	800 VPD

THE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 SHALL BE PLACED IN ONE LIFT WITH A MINIMUM THICKNESS OF 1 1/4".

THE QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 ALLOWS 89.5 TON FOR THE INTERSECTIONS, SIDEROADS, AND TAPERS; 82.8 TON FOR THE ENTRANCES; 30.1 TON FOR THE MAILBOX TURNOUTS, AND 2066.0 TON FOR THE 1 1/4" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.

THE FOLLOWING RATES HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

AGGREGATE SHOULDERS TY. B	1.8 T / CU YD
HOT-MIX ASPHALT	0.0560 T / SQ YD • INCH
AGGREGATE PRIME COAT	0.001 T / SQ YD
BITUMINOUS MATERIAL (PRIME COAT)	0.05 GAL / SQ YD

THE QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR GRADING AND SHAPING DITCHES ALLOWS 50 FOOT AT EACH END OF ALL PIPES TO BE REPLACED AT STATIONS SHOWN IN SCHEDULE OF AR PIPE CULVERTS, CLASS C.

**SUMMARY OF QUANTITIES**

QUANTITY	UNIT	ITEM	CODE NUMBER
100.00	FOOT	GRADING AND SHAPING DITCHES	21400100
1505.00	GALLON	BITUMINOUS MATERIALS (PRIME COAT)	40600100
3244.00	TON	LEVELING BINDER (MACHINE METHOD), N70	40600635
2268.00	TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	40603310
1885.00	TON	AGGREGATE SHOULDERS, TYPE B	48101200
50.00	FOOT	PIPE CULVERTS, CLASS C, TYPE 2 18"	542C1063
2.00	EACH	METAL END SECTIONS 18"	54215553
14.00	CU YD	CONTROLLED LOW-STRENGTH MATERIAL	59300100
1.00	L SUM	MOBILIZATION	67100100
1.00	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	70100460
1.00	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	70100600
3999.00	FOOT	SHORT-TERM PAVEMENT MARKING	70300100
39206.00	FOOT	PAINT PAVEMENT MARKING-LINE 4"	78001110 *
167.00	EACH	RAISED REFLECTIVE PAVEMENT MARKER	78100100 *
1333.00	FOOT	SHORT-TERM PAVEMENT MARKING REMOVAL	XX003140
6.00	TON	PAVEMENT REMOVAL AND REPLACEMENT (SPECIAL)	XX127400

\* SPECIALTY ITEMS

333 W. 3RD ST.  
P.O. BOX 160  
MT. CARMEL, IL  
62863  
PHONE:  
(618)-262-8651  
FAX:  
(618)-263-3327

405 W. STATE ST.  
SUITE 1  
PRINCETON, IN  
47670  
PHONE:  
(812)-386-7611  
FAX:  
(812)-386-2812

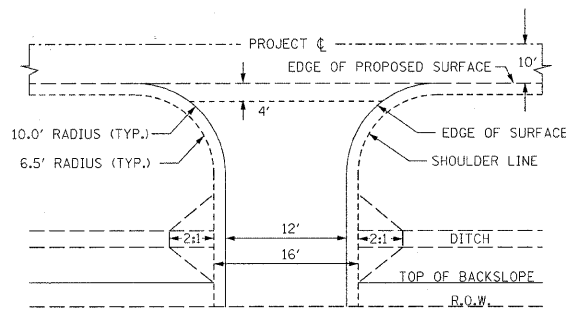


PROFESSIONAL DESIGN FIRM  
LAND SURVEY &  
PROFESSIONAL  
ENGINEERING CORPORATION  
184-000887  
(62-032435)(35-002769)



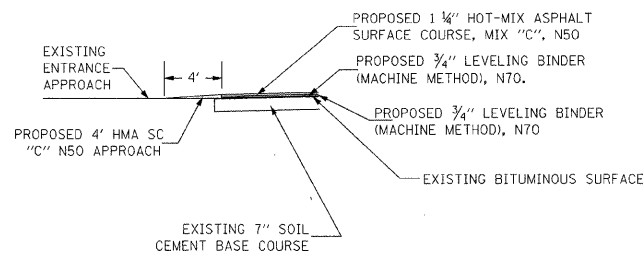
AARON M. MEFFORD  
NAME  
*Aaron Mefford*  
SIGNATURE  
12-08-08  
DATE  
11-30-09  
EXPIRES

**DETAIL OF PRIVATE AND FIELD ENTRANCES**



NOTE: THE 4' AREA FROM THE EDGE OF SURFACE, AS SHOWN ABOVE, SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 FOR THE PRIVATE ENTRANCES AND THE FIELD ENTRANCES. THIS QUANTITY IS INCLUDED IN THE QUANTITY FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.

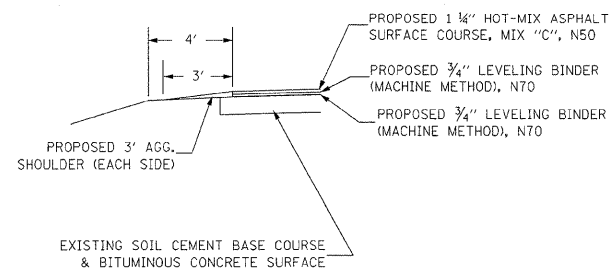
**PRIVATE & FIELD ENTRANCE APPROACH DETAIL**



**SCHEDULE FOR SUPERELEVATION RATES**

CURVE #1	CURVE #3	CURVE #5	CURVE #7
TANGENT RUNOFF BEGINS STA. 234+89.43 S.E. RUNOFF BEGINS STA. 235+22.43 FULL S.E. BEGINS STA. 236+65.43 FULL S.E. ENDS STA. 240+63.62 S.E. RUNOFF ENDS STA. 242+06.62 S.E. RATE = 0.065 FT / FT	S.E. RUNOFF BEGINS STA. 249+00.05 FULL S.E. BEGINS STA. 249+55.05 FULL S.E. ENDS STA. 254+23.70 S.E. RUNOFF ENDS STA. 254+78.70 S.E. RATE = 0.025 FT / FT	S.E. RUNOFF BEGINS STA. 261+49.62 FULL S.E. BEGINS STA. 262+15.62 FULL S.E. ENDS STA. 266+88.39 S.E. RUNOFF ENDS STA. 267+54.39 TANGENT RUNOFF ENDS STA. 267+87.39 S.E. RATE = 0.030 FT / FT	TANGENT RUNOFF BEGINS STA. 281+46.74 S.E. RUNOFF BEGINS STA. 281+79.74 FULL S.E. BEGINS STA. 282+12.74 FULL S.E. ENDS STA. 287+18.22 S.E. RUNOFF ENDS STA. 287+51.22 TANGENT RUNOFF ENDS STA. 287+84.22 S.E. RATE = 0.016 FT / FT
S.E. RUNOFF BEGINS STA. 242+06.62 FULL S.E. BEGINS STA. 243+27.62 FULL S.E. ENDS STA. 247+73.30 S.E. RUNOFF ENDS STA. 249+00.05 S.E. RATE = 0.055 FT / FT	S.E. RUNOFF BEGINS STA. 254+78.70 FULL S.E. BEGINS STA. 256+21.70 FULL S.E. ENDS STA. 260+06.62 S.E. RUNOFF ENDS STA. 261+49.62 S.E. RATE = 0.065 FT / FT	TANGENT RUNOFF BEGINS STA. 269+00.02 S.E. RUNOFF BEGINS STA. 269+33.02 FULL S.E. BEGINS STA. 270+43.02 FULL S.E. ENDS STA. 275+91.01 S.E. RUNOFF ENDS STA. 277+01.01 TANGENT RUNOFF ENDS STA. 277+34.01 S.E. RATE = 0.050 FT / FT	

**AGGREGATE SHOULDER DETAIL**



**UTILITIES**

WAYNE-WHITE ELECTRIC COOP.  
RT. 45 WEST  
FAIRFIELD, IL 62837  
618-842-2196

ELLERY WATER CORP.  
P.O. BOX 45  
ALBION, IL 62806  
618-445-4050

VERIZON TELEPHONE CO.  
225 EAST CHESTNUT  
ONLEY, IL 62450  
618-395-6191

J.U.L.I.E.  
800-892-0123